

SUPPLEMENTAL WELL REPORT

SANTA FE PAC #5

SANTA FE PACIFIC #5, Crossroads Dev Fld, Lea Co, NM. OBJECTIVE:
Perforate additional pay and stimulate.

8/10/73 12,150 TD, 5½ csg @ 12,136, OH (12,136-12,150).
Prep to MI unit today.

SANTA FE PACIFIC #5, 12,150 TD.

8/11 MIRU Permian Well Serv unit 8/10/73, remove wellhead, POH
w/ 20 jts 2-7/8 tbg and Reda pump cable, SD for nite.

8/13 POH w/ add'l 102 jts 2-7/8 tbg, Reda cable and pump, ran
5½ Howco ret BP on 2-7/8 tbg set @ 12,122, loaded hole w/
prod wtr, then spotted 100 gals 15% NE acid @ 12,122, POH
Dresser-Atlas ran GR-Collar-Corr log from 11,800-12,101,
then perf 5½ csg in the Dev @ 12,096-12,110 w/ 1 JSDF, total
of 15 holes, started in hole w/ 5½ RTTS pkr, SD for nite.

SANTA FE PACIFIC #5, 12,150 TD.

8/14 Finish running RTTS pkr on 2-7/8 tbg to 12,050, set pkr,
test csg 1000#/ok, Howco attempted to acidize Dev perfs
12,096-12,110, TP 6500, AIR 1.0 BPM, communicated to csg,
bled off press, reset pkr, communicated to csg, attempted
to rev out acid, pumped 174 BSW acid below leak, POH, found
split jt of tbg 262 jts down, dropped SV, test remainder of
tbg w/ 5000#/ok, prep to rerun pkr & acidize.

SANTA FE PACIFIC #5, 12,150 TD.

8/15 Finish running RTTS pkr to 12,019, pkr would not set, POH,
changed out pkrs, rerun to 12,019, Howco acidized Devonian
perfs 12,096-12,110 w/ 3000 gals 15% NE acid, used 20 RCNBS,
TTP 500, AIR 4.5 BPM, ISIP vac, job compl @ 7:10 p.m. 8/14/73,
SI & SD. - 876 BLW.

SANTA FE PACIFIC #5, 12,150 TD.

8/16 S 59 BNO + 136 BLW/10 hrs, sw from 3000, L hr sw 20 bbls,
S/O 20% oil, hung sw, parted line, left sw & 100' of SL
in hole, SD for nite. - 740 BLW.

SANTA FE PACIFIC #5, 12,150 TD.

8/17 Unseat RTTS pkr, attempt to ret BP @ 12,122 w/ no success,
POH, left RTTS pkr, 3 jts of tbg, sw + 100' SL in hole, SD
for nite, prep to fish out.

SANTA FE PACIFIC #5, 12,150 TD.

8/18 Ran 4½ LIB on SL to top of fish, POH, indicated blk was on
SL, ran 2-prong grab w/ 4½ stop on jars, 2 - 3½ DC's & 2-7/8
tbg to 12,025, POH w/ 1 jt of tbg, SD for nite.

8/20 Finish POH, rec 15' of SL, rerun imb blk, indicated wire
line on top of tbg, rerun 2-prong grab to 12,025, POH, no
rec, remodel grab, rerun grab to top of fish, POH, rec SL,
sinker bars, sw, 3 jts of 2-7/8 tbg & RTTS pkr, SD for nite.

8/21 SANTA FE PACIFIC #5, 12,150 TD
Ran Howco ret head on 2-7/8" tbg to 12,122, ret BP, POH
w/ plug, SD for nite.

8/22 SANTA FE PACIFIC #5, 12,150 TD
Ran tbg in hole, P & LD 248 jts 2-7/8" tbg, now running Reda
pump & cable on 2-7/8" tbg, SD for nite.

8/23 SANTA FE PACIFIC #5, 12,150 TD
Ran Reda pump motor to 4438, top of motor @ 4417, bottom of
pump 4412, top of pump @ 4394, circ valve @ 4387, knock out
plug @ 4327, 140 jts 2-7/8" tbg + 6' x 2-3/8" EUE 8rd sub on
top, hooked up well, rig down, rel unit & rel well to prod
@ 2:30 p.m. 8-22-73. -740 BLW.

8/24 SANTA FE PACIFIC #5, 12,150 TD
P 15 BNO + 740 BLW + 1717 BSW/ 19 hrs.

8/27 SANTA FE PACIFIC #5, 12,150 TD
P 459 BNO + 8892 BSW/ 3 days, (last 24 hrs made 281 BO +
2850 BW).

8/28 SANTA FE PACIFIC #5, 12,150 TD
P 365 BNO + 2844 BSW/ 24 hrs.

8/29 SANTA FE PACIFIC #5, 12,150 TD
P 385 BNO + 2610 BSW/ 24 hrs.

8/30 SANTA FE PACIFIC #5, 12,150 TD
P 340 BNO + no guage on wtr/ 24 hrs.

8/31 SANTA FE PACIFIC #5, 12,150 TD
Pumping, no gauge.

9/4 SANTA FE PACIFIC #5, 12,150 TD.
Well off, pulled 2½ tbg and Reda pump, ran 2½ tbg w/ Reda
G-110 pump, 125 stage w/ 200 Hp motor to 4465, P 715 BNO,
no wtr gauge/38 hrs.

9/5 SANTA FE PACIFIC #5, 12,150 TD.
P 453 BNO + 4336 BSW/24 hrs.

9/6/73 SANTA FE PACIFIC #5, 12,150 TD.
POTENTIAL NM OCC POT: P 420 BNO + 3870 BSW/24 hrs w/ Reda 125-stage
200 HP submergible pump, GOR: TSTM, Grav 40.3 @ 60, Allow
420 (NP), Top 540, Compl 8/14/73.
Before WO & changing pump: P 207 BNO + 2352 BSW/24 hrs.
FINAL REPORT.

Diagrammatic Well Sketc
Santa Fe Pacific Well No. 5
Crossroads Devonian Field
Lea County, New Mexico

Elevations:
 4,035' - G.L.
 4,048' - KB

13 3/8" - 68 #/ft LWCsg set
 w/ 500 sx - CIRC.

Min Burst Press = 3450 psi

Top of Cement
 (Temp. Survey)

441'
 1,490'

Top of Liner

4,595'

8 5/8" - 32 #/ft JSS set w/ 3497 sx

Min. Burst Press = 3930 psi

4,805'

7,541' of

5 1/2" Liner 17 & 20 #/ft N-80 set
 w/ 740 sx. cement over top
 w/ 450 sx

Min. Burst Press = 7740 psi

12,136'

12,150' - T.D.